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Proposed Maximum Residue Limit PMRL2010-08

# Trifloxystrobin

*(publié aussi en français)*

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded the addition of new uses on sweet and tart cherries to the product label of Flint 50WG Fungicide, containing technical grade trifloxystrobin, is acceptable. The specific uses approved in Canada are detailed on the label of Flint 50WG Fungicide, *Pest Control Products Act* Registration Number 27529.

The evaluation of this trifloxystrobin application indicated that the end-use product has merit and value, and that the human health and environmental risks associated with the new uses are acceptable.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation was previously conducted for an MRL proposed on cherries in the document published on 21 November 2008, Proposed Maximum Residue Limit PMRL2008-40, *Trifloxystrobin*. Comments received during the consultation led to revisions to the proposed MRL and an expansion of the MRL to include all commodities in the stone fruits crop group in accordance with Established Maximum Residue Limit EMRL2008-30, *Trifloxystrobin*.

Consultation on the proposed MRLs for trifloxystrobin is being conducted via this document (see Next Steps, the last section of this document). Supporting residue data are summarized in Appendix I.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for trifloxystrobin in Canada in or on food, to be added to the MRLs already legally established, are as follows.

**Table 1 Proposed Maximum Residue Limits for Trifloxystrobin**

| Common Name | Residue Definition | MRL (ppm) | Food Commodity |
|---|---|---|---|
| Trifloxystrobin | Methyl (α*E*)-α-(methoxyimino)-2-[[[(*E*)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino] oxy]methyl]benzene acetate, including the metabolite (α, *E*)-α-(methoxyimino)-2-[[[(*E*)-[1-[3-(trifluoromethyl)phenyl]ethylidene] amino]oxy]methyl]benzene acetic acid, expressed as trifloxystrobin. | 2.0 | Stone fruits (Crop Group 12) |

MRLs are proposed for each commodity included in the stone fruits crop group in accordance with Appendix II.

A complete list of all MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

**International Situation and Trade Implications**

MRLs may vary from one country to another for a number of reasons, including differences in pesticide use patterns and the locations of the field crop trials used to generate residue chemistry data. The proposed Canadian MRLs for trifloxystrobin are the same as corresponding tolerances established in the United States (tolerances are listed in the Electronic Code of Federal Regulations by pesticide) but differ from Codex MRLs.[1] A listing of all established Codex MRLs is available on the Pesticide Residues in Food website.

**Table 2 Comparison of Canadian MRL, American Tolerance and Codex MRL**

| Food Commodity | Canadian MRL (ppm) | American Tolerance (ppm) | Codex MRL (ppm) |
|---|---|---|---|
| Stone fruits (Crop Group 12) | 2.0 | 2.0 | 3.0 |

[1] Codex is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

**Next Steps**

The PMRA invites the public to submit written comments on the proposed MRLs for trifloxystrobin up to 75 days from the date of publication of this document. Please forward your comments to Publications. The PMRA will consider all comments received before making a final decision on the proposed MRLs for trifloxystrobin and posting a corresponding Established Maximum Residue Limit document in the Pesticides and Pest Management section of Health Canada's website.

# Appendix I Summary of Crop Field Trial Data

| Commodity | Application | | Preharvest Interval (days) | Residues | | Currently Established MRL | Recommended MRL |
|---|---|---|---|---|---|---|---|
| | Method | Total Rate (g a.i./ha) | | Min (ppm) | Max (ppm) | | |
| Peach | Concentrated broadcast foliar spray | 570 | 1 | 0.04 | 1.96 | None | 2.0 ppm *for* Apricots Nectarines Peaches Plumcots Plums Prune plums Sweet cherries Tart cherries |
| Sweet Cherry | | | | 0.28 | 0.69 | | |
| Tart Cherry | | | | 0.32 | 0.62 | | |
| Plum | | | | 0.06 | 0.23 | | |
| Peach | Dilute broadcast foliar spray | 570 | 1 | 0.04 | 1.88 | | |
| Sweet Cherry | | | | 0.28 | 0.90 | | |
| Tart Cherry | | | | 0.33 | 0.73 | | |
| Plum | | | | 0.06 | 0.55 | | |

a.i.: Active Ingredient

# Appendix II Crop Groups: Numbers and Definitions

| Crop Group Number | Crop Group Name | Food Commodities Included in the Crop Group |
|---|---|---|
| 12 | Stone Fruits | Apricots<br>Nectarines<br>Peaches<br>Plumcots<br>Plums<br>Prune plums<br>Sweet cherries<br>Tart cherries |